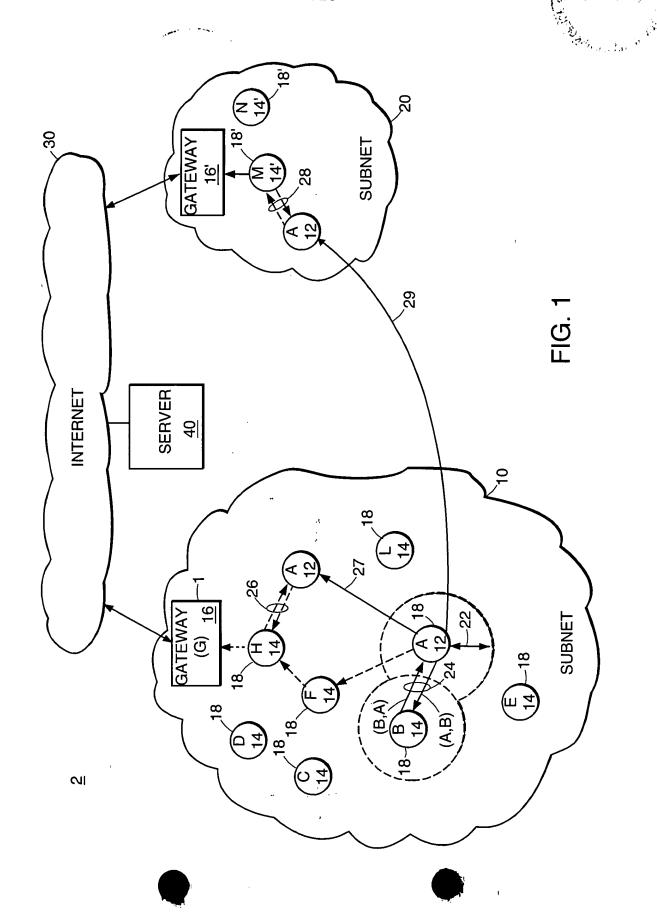
Title: A System And Method For Disseminating Topology And Link-State Information To Routing Nodes In A Mobile Ad Hoc Network Inventors: Ogier et al.

Serial No. 09/728,020

Atty/Agent: Michoel A Badriager

Atty/Agent: Michael A. Rodriguez



Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez



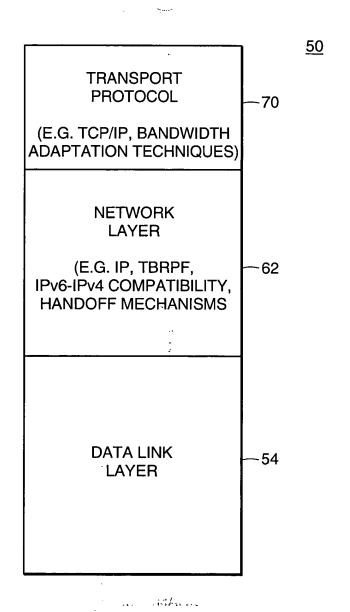
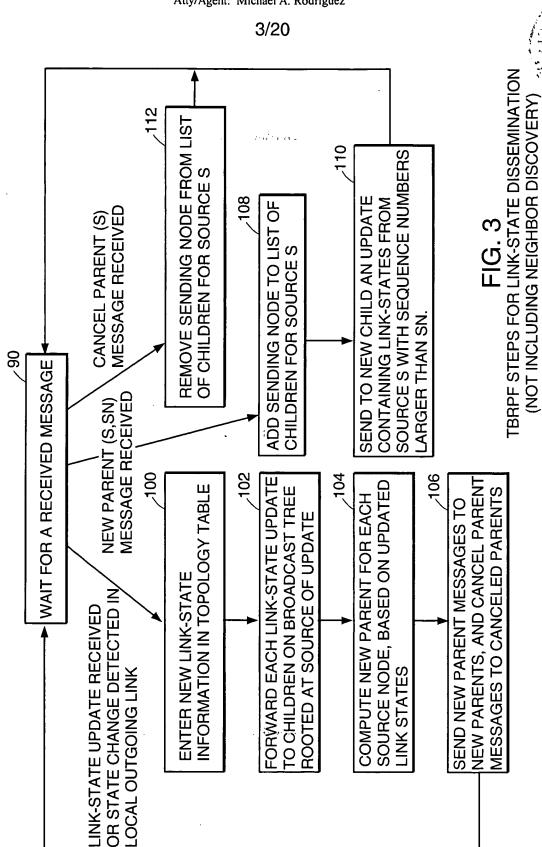


FIG. 2

Inventors: Ogier et al. Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez



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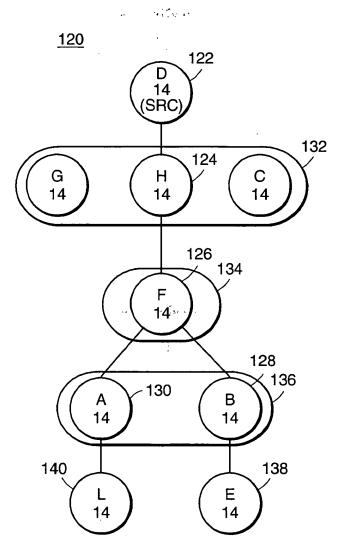
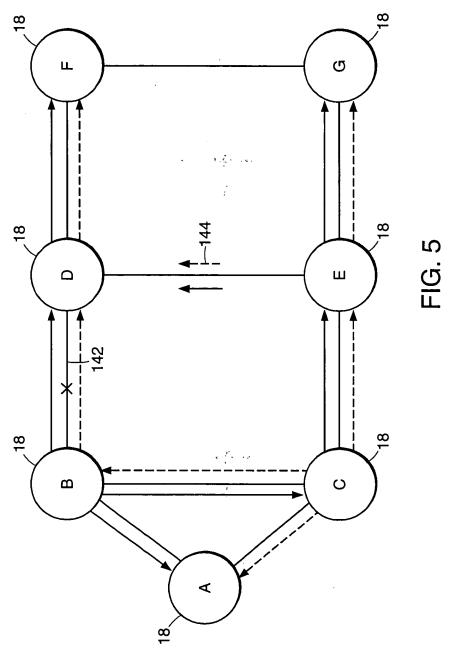


FIG. 4

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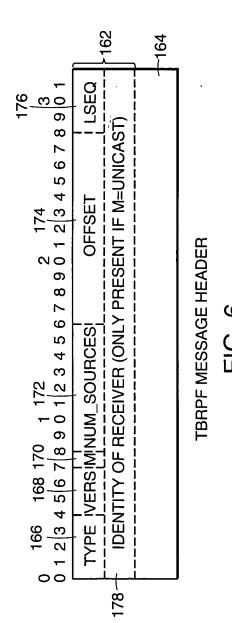
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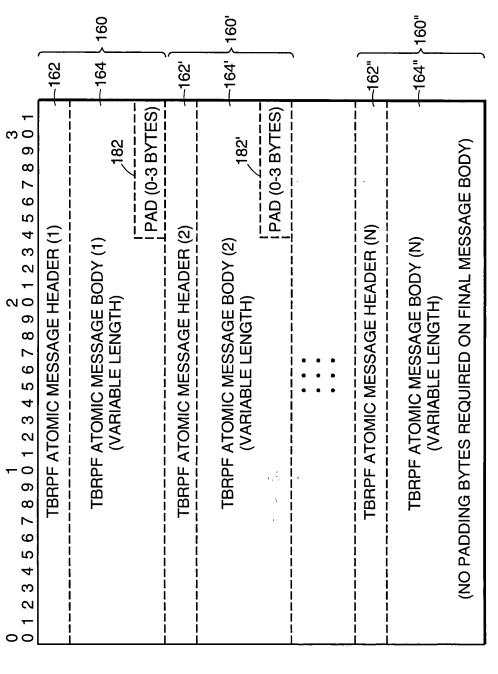




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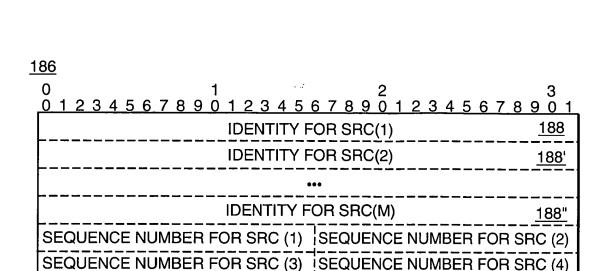
(A COMPOUND TBRPF MESSAGE)

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180

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## NEW PARENT MESSAGE FIG. 8A

SEQUENCE NUMBER FOR SRC (M-1) SEQUENCE NUMBER FOR SRC (M)

192

SEQUENCE NUMBER FOR SRC (M-2) SEQUENCE NUMBER FOR SRC (M-1)
SEQUENCE NUMBER FOR SRC (M)

SHOWS AN ALTERNATIVE ENDING THE NEW PARENT MESSAGE FIG. 8B

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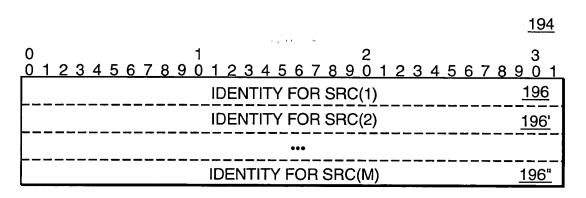
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Title: A System And Method For Disseminating Topology And Link-State Information To Routing Nodes In A Mobile Ad Hoc Network Inventors: Ogier et al.

Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez

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CANCEL\_PARENT MESSAGE FIG. 9

Inventors: Ogier et al.
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Atty Docket No. SRI-009B
Atty/Agent: Michael A. Rodriguez

	··•	Tollwoods
	0 2 3	* * * * * * * * * * * * * * * * * * * *
(	0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1	
	IDENTITY OF NODE SRC(1) 202	
	NUM_NEIGHBORS (==K[1]) 204   RESERVED	1
	IDENTITY FOR NBR(1) OF SRC(1) 208	
		210
$\int$	IDENTITY FOR NBR(2) OF SRC(1) 208'	
	LINK METRICS FOR NBR(2) 212'   SEQUENCE # FOR SRC(1), NBR(2)	206
	···	210'
	IDENTITY FOR NBR(K[1]) OF SRC(1) 208"	
X	LINK METRICS FOR NBR(K) 212"   SEQUENCE # FOR SRC(1), NBR(K)	210"
LSU		
(1) 200		
	LSUA	
	(2)	
}	(200'	
	IDENTITY OF NODE SRC(2) 202'	
	NUM_NEIGHBORS (==K[2]) 204'   RESERVED	)
	IDENTITY FOR NBR(1) OF SRC(2)	
Í	LINK METRICS FOR NBR(1)   SEQUENCE # FOR SRC(2), NBR(1)	
	•••	206'
	IDENTITY FOR NBR(K[M-1]) OF SRC(M-1)	
Į	LINK METRICS FOR NBR(K[M-1]) SEQUENCE # FOR SRC(M), NBR(K[M-1])	
	•••	
	IDENTITY OF NODE SRC(M) <u>202"</u>	
	NUM_NEIGHBORS (==K[M]) 204" RESERVED	
	IDENTITY FOR NBR(1) OF SRC(M)	
{	LINK METRICS FOR NBR(1)   SEQUENCE # FOR SRC(M), NBR(1)	
	•••	206"
	IDENTITY FOR NBR(K[M]) OF SRC(M)	
	LINK METRICS FOR NBR(K[M])   SEQUENCE # FOR SRC(M), NBR(K[M])	
	LSUA	,
	(M) FIO (10A	
	FIG. 10A	

Title: A System And Method For Disseminating Topology And Link-State Information To Routing Nodes In A Mobile Ad Hoc Network Inventors: Ogier et al. Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez

LSU	11/20	e des
(1)	0 1 2 3.5	220 <sup>2</sup>
222	20 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1	ž Par
Y	IDENTITY OF NODE SRC(1) 224	
	NUM_NEIGHBORS (==K[1]) 226   SEQUENCE NUMBER FOR SRC(1)	-228 h
	IDENTITY FOR NBR(1) OF SRC(1) 232	
	METRICS FOR NBR(1) OF SRC(1) 234	
	IDENTITY FOR NBR(2) OF SRC(1) 232'	
	METRICS FOR NBR(2) OF SRC(1) 234'	230
	•••	
	IDENTITY FOR NBR(K[1]) OF SRC(1) 232"	
(	METRICS FOR NBR(K[1]) OF SRC(1) 234"	Į)
LSU		
(2) 222		
Ų	IDENTITY OF NODE SRC(2) 224'	1
)	NUM_NEIGHBORS (==K[2]) 226'   SEQUENCE NUMBER FOR SRC(2)-	-228'
	IDENTITY FOR NBR(1) OF SRC(2)	h
	METRICS FOR NBR(1) OF SRC(2)	
	IDENTITY FOR NBR(2) OF SRC(2)	
	METRICS FOR NBR(2) OF SRC(2)	) 230'
	•••	
	IDENTITY FOR NBR(K[2]) OF SRC(2)	
l	METRICS FOR NBR(K[2]) OF SRC(2)	
`	•••	γ 1
ſ	IDENTITY OF NODE SRC(M) 224"	
	NUM_NEIGHBORS (==K[M]) 226"   SEQUENCE NUMBER FOR SRC(M)	-228"
	IDENTITY FOR NBR(1) OF SRC(M)	h
	METRICS FOR NBR(1) OF SRC(M)	
	IDENTITY FOR NBR(2) OF SRC(M)	
	METRICS FOR NBR(2) OF SRC(M)	) 230"
	••••	
	IDENTITY FOR NBR(K[M]) OF SRC(M)	
X	METRICS FOR NBR(K[M]) OF SRC(M)	
LSU		V
(M)	FIG. 10B	
222	<del>"</del>	

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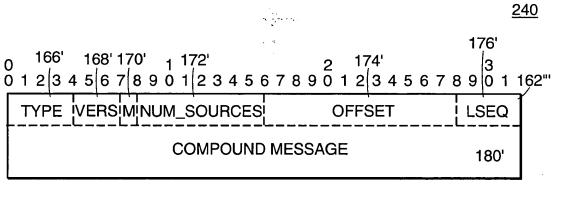
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RETRANSMISSION\_OF\_BROADCAST MESSAGE FIG. 11

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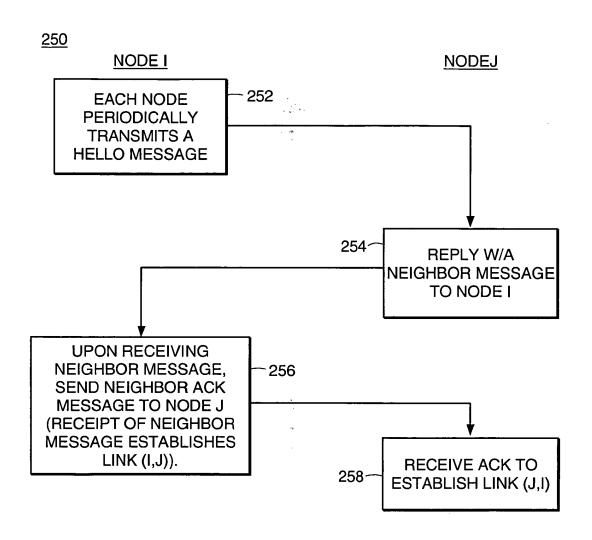


FIG. 12

Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez



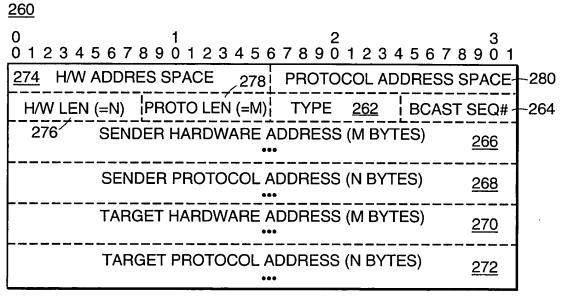


FIG. 13

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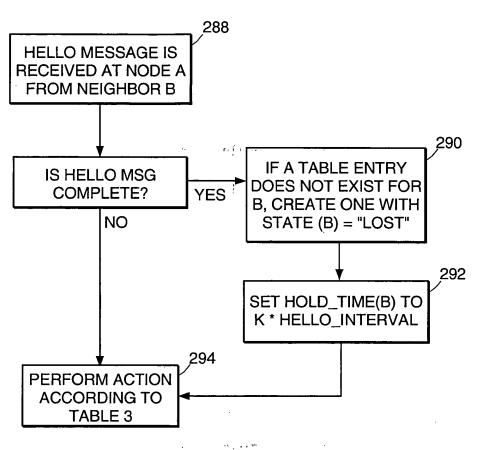
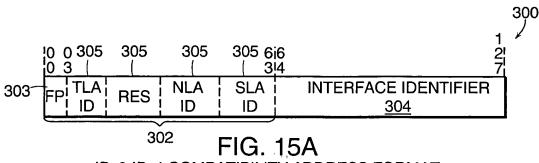


FIG. 14

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IPv6-IPv4 COMPATIBILITY ADDRESS FORMAT

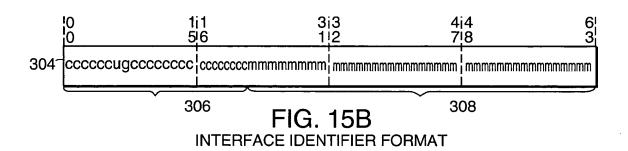
C)

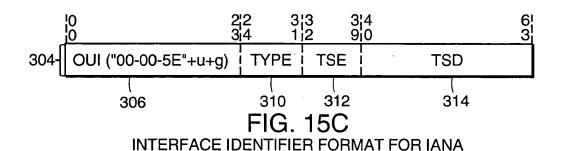
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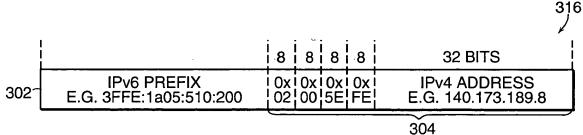
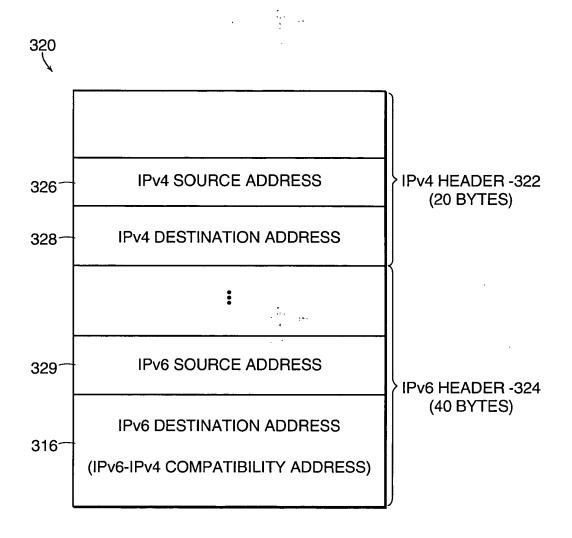


FIG. 15D

IPv6-IPv4 COMPAŢIBIĻITY ADDRESS

Inventors: Ogier et al. Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez

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FIG. 15E

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Atty/Agent: Michael A. Rodriguez

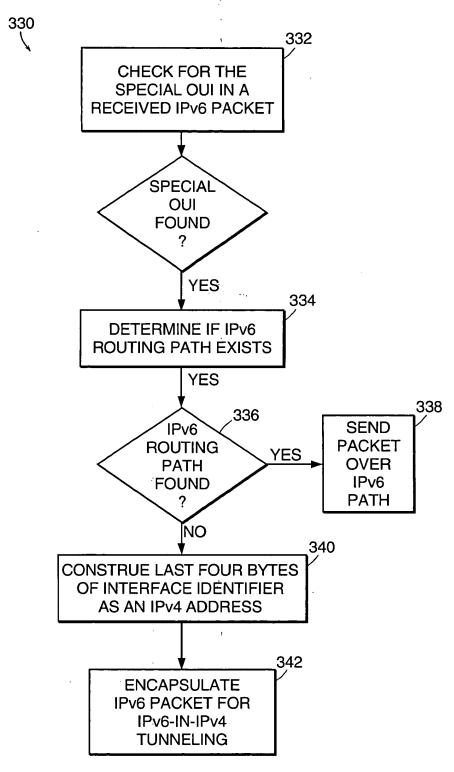


FIG. 16



Inventors: Ogier et al. Serial No. 09/728,020 -Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez 19/20 **START** 350 **ESTABLISH** COMMUNICATION BETWEEN **CLIENT AND SERVER** 354 **IDENTIFY PACKET AS BEING SENT** 358<sub>t. . . .</sub> SEND PACKET 362 366 IS **ACKNOWLEDGEMENT IDENTIFY PACKET AS BEING** OF PACKET RECEIPT SUCCESSFULLY SENT **RECEIVED** DONE W. .... N 370 374 HAS MAXIMUM ATTEMPT TO RE-EXTABLISH NUMBER OF RESEND COMMUNICATION BETWEEN TRIES BEEN **CLIENT AND SERVER EXCEEDED** ?. 378 IS COMMUNICATION Ν **BETWEEN CLIENT** AND SERVER RE-**ESTABLISHED** FIG. 17

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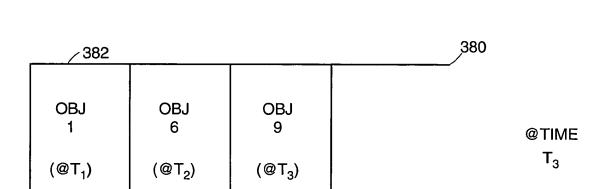


FIG. 18A

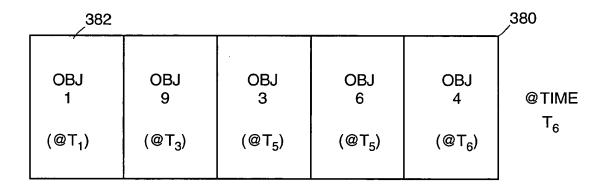


FIG. 18B

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